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(54) BASE OIL COMPOSITION FOR LUBRICATING OIL AND ITS PRODUCTION

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a base oil composition having improved flash point and low-temperature fluidity without deteriorating high-temperature traction coefficient by including a specific naphthenic synthetic lubricating base oil and a specific paraffinic synthetic lubricating base oil at a specific ratio.

SOLUTION: The objective composition is produced by including (A) 80-98 wt.% of a naphthenic synthetic lubricating base oil having a flash point of $\leq 180^{\circ}\text{C}$ and (B) 2-20 wt.% of a paraffinic synthetic lubricating base oil having a flash point higher than that of the component A. The component A is preferably a compound having a ring selected from cyclohexane ring, bicycloheptane ring and bicyclooctane ring, more preferably a compound having two or more rings selected from cyclohexane ring, bicyclo[2.2.1]heptane ring, bicyclo[3.2.1]octane ring, etc. The component B is poly- α -olefin, an α -olefin copolymer, etc.